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Patent Application

In the United States Patent and Trademark Office

Applicants: Mohsen Shahinpoor, Massoud Ahghar, Niculina Cristina Popa
Serial Number: 10/064,729
Examiner: Sheeba Ahmed
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To the Commissioner of Patents and Trademarks

AMENDMENT

Attention: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

This paper is in response to the office action of August 24, 2004. Please amend the claims, without prejudice, as follows:

Dear Examiner:

In the Claims:

Claims 3, 4 and 5 have been withdrawn based on examiners objection. Claim 8 has also been withdrawn based on examiners comments. Please amend claims 1, 2, 6 and 7 as depicted below:

Amended Claims

1. **(ORIGINAL)** Novel ionic polymer metal composites manufactured by means of an innovative chemical depositing process, the process comprising the steps of: first depositing none noble metal salt cations inside a cationic ionic polymer molecular network followed by chemical reduction of the said none noble metal salt cations to generate reduced none noble metal particles deposited inside the polymeric molecular network and the outside surfaces of the polymeric material, like outside metallic electrodes, followed by a second electro or chemo deposition and plating of a noble metal inside and on surfaces of the said reduced none noble metal particles in the said polymer molecular network to protect the first said none noble metal particles from oxidation,